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Date: July 27, 2004
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Message:

ATTENTION: EXAMINER PAK ART UNIT: 1652

In re Patent Application: Heinrich BACHMANN *et al.*

Serial No.: 09/504,393

Filed: February 15, 2000

For: β , β -CAROTENE 15,15'-ENZYMES, NUCLEIC ACID SEQUENCES
CODING THEREFOR AND THEIR USE (As Amended)

(1) Courtesy copy of Information Disclosure Statement filed on August 8, 2000.

(2) Courtesy copy of first page of document B1) WO 93/23538.

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Docket No.: 20347 US (C38435/111656)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
Heinrich BACHMANN, et al.

Serial No.: 09/504,393

Filed: February 15, 2000

For: β,β -CAROTENE 15,15'-
DIOXYGENASES, NUCLEIC ACID
SEQUENCES CODING THEREFOR
AND THEIR USE

Examiner: not yet assigned

Art Unit: 1272

New York, New York
August 8, 2000

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Applicants wish to make of record the following document (clean copy and Form PTO-1449 are enclosed).

FOREIGN PATENT DOCUMENT

B1 WO 93/23538

This document was cited in a Search Report dated June 28, 2000 (copy enclosed) which issued in a foreign counterpart application.

A copy of the additional document (Devery, et al.) cited in the Search Report is not being submitted herewith, because it was already made of record with the May 15, 2000 Information Disclosure Statement.

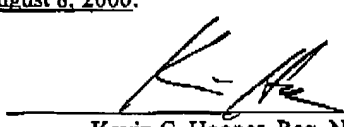
Applicants request that this document be considered by the Examiner before issuance of the next action and made of record in this file. The Examiner is also asked to initial and return a copy of the enclosed PTO-1449 form to evidence such consideration.

This Information Disclosure Statement is being filed in accordance with the following provisions:

☒ 37 CFR § 1.97(b)(3) To the best of the undersigned's knowledge, before the mailing date of a first Office Action on the merits. No fee is required.

If it is determined that a fee is required as set forth in 37 CFR § 1.17(p) or 1.17(i)(1), or if any additional fees are required, please charge such fee (or credit any overpayment) to Deposit Account No. 02-4467. A duplicate copy of this document is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on August 8, 2000.


Kevin C. Hooper, Reg. No. 40,402

Respectfully submitted,

By: 

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Form PTO-1449 (Rev.)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 20347 US (C38435/111656)	SERIAL NO. 09/504,393
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Heinrich BACHMANN, et al.	
		FILING DATE February 15, 2000	GROUP 1272

U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	WO 93/23538	11/1993	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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LEDERER, KELLER & RIEDERER
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03 JUL 2000

Zeichen/Ref./Ref. 20347 EPI	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 00102289.6-2105-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire F. HOFFMANN-LA ROCHE AG	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract ☐ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: NONE

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



Bitte sofort Literatur im Zedo
eintragen und Fehlendes beschaffen



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 10 2289

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
D, A	<p>DEVERY J ET AL: "Beta-carotene-15,15'-dioxygenase (EC 1.13.11.21) isolation reaction method and an improved assay procedure." BRITISH JOURNAL OF NUTRITION., vol. 72, no. 3, September 1994 (1994-09), pages 397-414, XP000914668 CAMBRIDGE., GB * abstract *</p> <p style="text-align: center;">---</p>	1	<p>C12N15/53 C12N9/02 C12N1/21 C12N5/10 C12P23/00 C07K16/40 C12Q1/68 G01N33/573 //(C12N1/21, C12R1:19)</p>
A	<p>WO 93 23538 A (LUDWIG INST CANCER RES ;BAVIK CLAES OLOF (SE); ERIKSSON ULF (SE);) 25 November 1993 (1993-11-25) * page 21 - page 24 *</p> <p style="text-align: center;">-----</p>	1	<p>TECHNICAL FIELDS SEARCHED (Int.Cl.7)</p> <p>C12N C12P C07K G01N C12Q</p>
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		13 June 2000	Lejeune, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date O : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.02 (P4/C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO. —

EP 00 10 2289

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-06-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9323538 A	25-11-1993	AU 4375493 A	13-12-1993
		US 5573939 A	12-11-1996
		US 5679772 A	21-10-1997

EPO FORM PG459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82